

**PERCUTANEOUS TISSUE TRACK CLOSURE  
ASSEMBLY AND METHOD**

**ABSTRACT OF THE DISCLOSURE**

A percutaneous tissue track closure assembly (2) includes a semipermeable barrier(26) mounted to the distal end of a tubular barrier carrier (20). The barrier is passed down a tissue track (12) and into a blood vessel (18) where the barrier is expanded to close off the blood vessel opening (14). A syringe device is used to drive a hemostatic flowable material (30) through a delivery tube (34) and into the tissue track. The semipermeable barrier permits blood to flow therethrough but prevents passage of the hemostatic flowable material therethrough. The hemostatic material includes a material which swells upon contact with blood, and a blood clotting agent. After an appropriate period of time, the barrier is collapsed and the barrier carrier and delivery tube are removed from the tissue track.

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